

ABSTRACT OF THE DISCLOSURE

Disclosed herein is a flux cored wire for gas shielded arc welding which comprises a seam section for improving the rectilinear property of the wire, thereby preventing the occurrence of bead meandering.

The flux cored wire for gas shield arc welding is manufactured by forming a metal sheath, packing the inside of the metal sheath with a flux, followed by forming into a metal pipe shape and wire drawing and satisfies Relationship (1) below:

$$1.4 \leq (R_{\text{rts}}/R_{\text{ucts}}) \leq 4.0 \dots\dots (1)$$

wherein R_{rts} represents the range of tensile strength of real cross section (real tensile strength range in a state where the flux is packed), and

R_{ucts} represents the range of tensile strength of unpacked cross section (real tensile strength range in a state where the flux is unpacked).